

AMENDMENT

In the Claims:

Please cancel claims 2-3, 31-35, 37, 39 and 47 without prejudice or disclaimer to Applicant's filing one or more continuation or divisional applications directed to the canceled subject matter.

Please amend claims 36, 38 and 48 and add new claims 49-52 so that after the amendments, the following claims are pending in this application:

36. (Amended) An isolated nucleic acid which encodes a polypeptide having N-acetyl glucosaminyl transferase I activity and which hybridizes under stringent conditions to a DNA that comprises a sequence, or the complementary thereof, selected from the group consisting of:

SEQ ID NOs:1, 3 and 5;

a DNA sequence encoding the amino acid sequence of SEQ ID Nos: 2, 4 or 6;

a DNA sequence sharing a nucleotide identity of at least 70% with SEQ ID NOs:1, 3 or 5;

a DNA sequence encoding an amino acid sequence which shares an amino acid sequence of at least 75% with SEQ ID NOs:2, 4 or 6;

a DNA sequence which hybridizes under stringent conditions to SEQ ID NOs:1, 3 or 5, or the complementary thereof; and

a DNA sequence which hybridizes under stringent conditions to a DNA sequence, or the complementary thereof, which encodes SEQ ID NOs:2, 4 or 6.

38. (Amended) A DNA construct comprising the nucleic acid of claim 36 in the sense or anti-sense orientation.

40. A microorganism transformed with the DNA construct of claim 38.
48. (Twice amended) A transgenic plant, transgenic seed, transgenic reproduction material, part of a transgenic plant or transformed plant cell, comprising the DNA construct of claim 38.
49. (New) An isolated DNA that comprises a nucleic acid with 70% identity with SEQ ID NO:1 and encodes a polypeptide having N-acetyl glucosaminyl transferase I activity.
50. (New) The DNA of claim 49 comprising a DNA sequence encoding the amino acid sequence of SEQ ID NO:2.
51. (New) The DNA of claim 49 comprising SEQ ID NO:1.
52. (New) An isolated nucleic acid that hybridizes under stringent conditions to SEQ ID NO:1 and encodes a polypeptide having N-acetyl glucosaminyl transferase I activity.

Pursuant to 37 C.F.R. §1.121(c)(1)(ii), a marked-up copy of the amended claims is attached herewith on separate pages.